SE-300

OPERATING INSTRUCTIONS

Sansui

WARNING: To prevent fire or shock hazard, do not expose this appliance to rain or moisture.

- **The Model No. and Serial No. of your unit are shown on its back panel.**

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We are grateful for your choice of this Sansui high fidelity product. Before you operate it, we suggest that you read this booklet once through carefully, familiarizing yourself with the important precautions, operational procedures and every one of the product's many features. It will help to ensure that you will avoid possible damage and that the product's superb performance will be yours to enjoy for many years to come.

Precautions

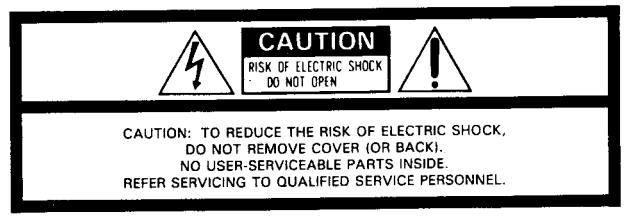
* **Bear in mind the following points.**

Power plug
When disconnecting the power cord from the power outlet, always take hold of the plug, and not the wire, and pull free. Never connect or disconnect the power plug with wet hands since you may receive an electric shock.
* Remember to disconnect the power plug from the power outlet when you do not intend to use the unit for a prolonged period of time.

Do not remove the case and bottom panel
Any inspections or adjustments inside the unit may lead to malfunctions and electric shocks. Do not touch any of the inside parts. SANSUI's warranty is not effective if a deterioration in the unit's performance results from remodeling inside.

Installation precautions
Do not install the unit in any of the following locations since this may result in a deterioration in performance or malfunction:
* Locations exposed to direct sunlight or near objects radiating heat such as heating appliances
* Locations exposed to moisture or humidity
* Locations with poor ventilation exposed to dust and dirt
* Locations which are unstable and not perfectly flat or which are susceptible to vibration
* On top of a high power output amplifier, audio components or any other product which radiates heat.

Do not wipe with thinners
Wipe the panels and case from time to time with a soft cloth. Using any kind of thinner, alcohol or volatile liquid will mar the surface, cause blotching on the exterior and erase the markings and should therefore be avoided.
Do not use insecticide sprays in the vicinity.


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

For the United Kingdom only

Important

The wires in this mains lead are coloured in accordance with the following code:

Blue: **Neutral**
Brown: **Live**

If the colours of the wires in the mains lead of this equipment should not correspond to the coloured markings identifying the terminals in your plug, proceed as follows:

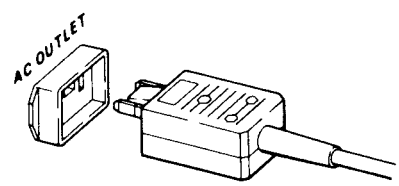
The wire which is coloured **blue** must be connected to the terminal which is marked with the letter 'N' or coloured black.

The wire which is coloured **brown** must be connected to the terminal which is marked with the letter 'L' or coloured red.

Ensure that your equipment is connected correctly. If you are in any doubt, consult a qualified electrician.

For equipment purchased outside the U.K. with a "**EUROPEAN**" two-pin mains plug, the plug should be removed and connections made in accordance with the above instructions. Ensure also that the equipment is properly adjusted to 240 volts operation. If you are in any doubt, consult a qualified electrician, or our Service Agent in the U.K.

AC outlet on the rear panel accepts AC power plug "BULGIN P.772" or equivalent.



Connections

Connection Precautions

* When connecting, either disconnect the power plug from the power outlet or turn off the unit's power using the POWER switch.
* Before connecting, read through the Operating Instructions of the other audio components which will be connected to this unit.
* Check the left and right channels and connect properly (L to L and R to R).
* Insert the plugs securely. Improper connection can lead to the generation of noise.

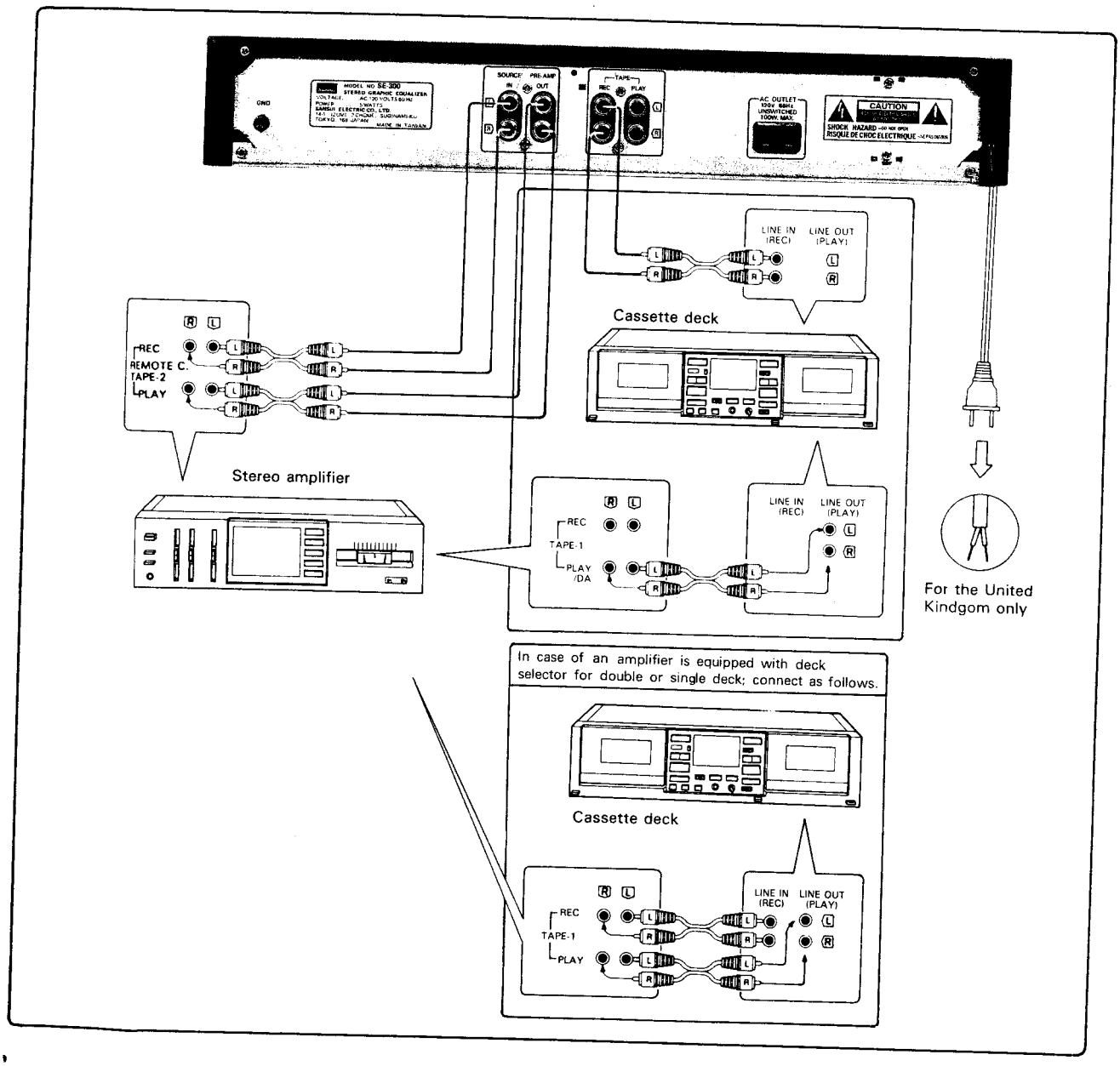
AC Outlet

The maximum power consumption of a component connected to this power outlet is 100 watts. If a component with a higher rating is connected, it can be extremely dangerous. Always check this rating before making the connection.

NOTE: Depending on the laws and regulation enforced locally, models without AC outlet may be supplied to some areas. Also, depending on the sales area, the shape of the AC outlet and their capacity may differ.

Typical connection for system with SANSUI's "COMPU SELECTOR" function

* Mains plug may vary to some extent depending on sales area, local laws and regulations.



When using a double cassette deck or one cassette deck

Amplifier or Receiver Connections

Connect the TAPE-2 REC terminals on the amplifier or receiver to the SOURCE IN terminals on the SE-300 and the TAPE-2 PLAY terminals on the amplifier or receiver to the PRE OUT terminals on the SE-300 using the accessory pin plug cords.

Casette Deck Connections

Connect the TAPE REC terminals on the SE-300 to the LINE IN/REC terminals on the cassette deck and the TAPE-1 PLAY terminals on the amplifier or receiver to the LINE OUT/PLAY terminals on the cassette deck.
In case of the amplifier is equipped with deck selector for double or single deck, connect the TAPE-1 PLAY terminals on the amplifier to the LINEout/PLAY terminals on the cassette deck and the TAPE-1 REC terminals on the amplifier to the LINE IN/REC terminals on the cassette deck.

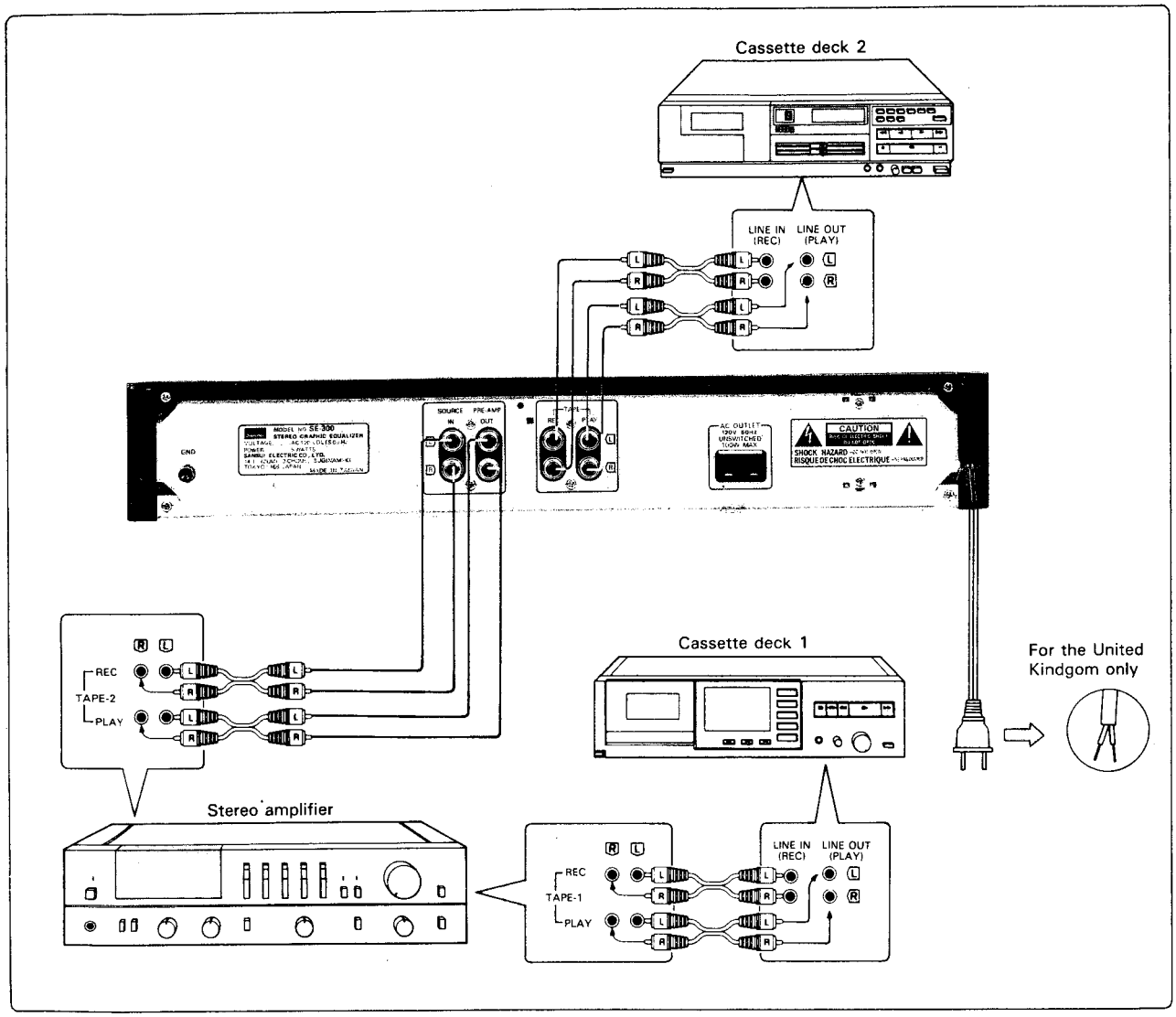
When using two cassette decks

Cassette Deck Connections

Connect the TAPE REC terminals on the SE-300 to the LINE IN/REC terminals on the cassette deck and the TAPE PLAY terminals on the SE-300 to the LINE OUT/PLAY terminals on the cassette deck.
Connect the second cassette deck to the TAPE-1 terminals on the amplifier or receiver. For details, refer to the Operating Instructions of the amplifier or receiver concerned.

Typical connections for other systems

* Mains plug may vary to some extent depending on sales area, local laws and regulations.



Amplifier or Receiver Connections

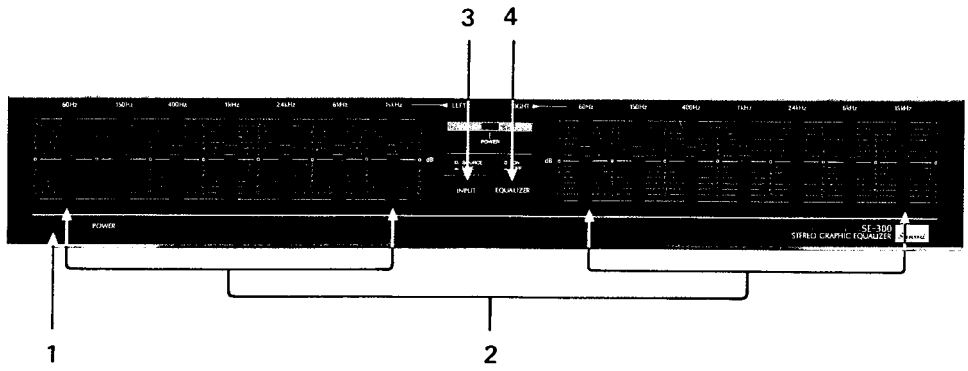
Connect the TAPE REC terminals on the amplifier or receiver to the SOURCE IN terminals on the SE-300 and connect the TAPE PLAY terminals on the amplifier or receiver to the PRE OUT terminals on the SE-300.

Cassette Deck Connections

Connect the TAPE REC terminals on the SE-300 to the LINE IN/REC terminals on the cassette deck and the TAPE PLAY terminals on the SE-300 to the LINE OUT/PLAY terminals on the cassette deck.

* Another cassette deck can be connected to the amplifier or receiver when there are two tape circuits in the amplifier or receiver. For details, refer to the Operating Instructions of the amplifier or receiver concerned.

Panel Information



* The photo show a unit with a black panel.

1 POWER Switch

Power is supplied to the unit when this switch is depressed to ON. When released to the STAND-BY position, the main circuitry power is cut off.

NOTE: Even when the POWER switch is at the STAND-BY position. power still flows to part of the internal circuitry. When the unit is not being used for a long time. the power plug should be disconnected from the AC outlet. If the unit's power plug is connected to the amplifier's AC outlet (SWITCHED). the power to all circuits of the unit can be switched on and off using the amplifier's power switch.

2 Equalizer Controls

These controls allow the levels approximate to the frequencies indicated above the controls to be continuously controlled from +12 dB to -12 dB for the left and right channels separately.
The level is made flat when the controls are set to the center "0" position. The level is increased when the controls are slid up from this center position and decreased when they are slid down. Adjust each of the frequency levels to your preference or requirements.

- When the EQUALIZER switch is at the "OFF (▬)" position, the sound quality cannot be compensated for even by operating the controls.

3 INPUT Switch

This switch is for selecting the program source. When you wish to playback a program source selected with your stereo amplifier, this switch is set to the released position (SOURCE □).
When you wish to play a component connected to the TAPE terminals on the unit's rear panel, press the switch to its depressed position (TAPE ▬).

4 EQUALIZER Switch

This is the ON/OFF switch for the output signals' equalizing function. When this switch is placed in the ON position, you can perform equalization of the output signals. When the switch is in the OFF position, the output signals' frequency response will be flat, regardless of the position of the equalizing controls.

Operating Procedures

Operation of amplifier or receiver connected

Set the input selector or tape monitor switch to "ON" corresponding to the tape terminals to which connection has been made on the SE-300 and corresponding to the amplifier or receiver used.

Playing a program source with added equalizer effects

This unit can be used to achieve subtle frequency compensation which is not possible using the tone controls or filters of amplifier.
You can not only compensate for fluctuations in the frequency response produced by the shape of the listening room and cut out the undesirable frequencies but also color the sound of the program source as desired. In other words, this unit gives you complete control over the sound.

1. Switch on the unit's power.
2. Set the EQUALIZER switch to the ON position.
3. **When listening to a disk or a radio broadcast:**
   Select the program source with the amplifier's function selector, and operate the turntable or tuner.
   Set the INPUT switch to the SOURCE position
   When listening to a tape:
   Operation differs according to how the cassette deck is connected. Set the INPUT switch to the TAPE position when playing back a tape in a cassette deck connected to the unit's TAPE PLAY terminals.
   When playing back a tape in a cassette deck connected to the TAPE PLAY terminals of the amplifier or receiver, set to "ON" the tape monitor or input selector switch of the amplifier or receiver according to the terminals used.

* When no component has been connected to the unit's TAPE PLAY terminals, no sound will be heard when the unit's TAPE switch of the INPUT switch is pressed.

4. Adjust the volume of sound with the amplifier's volume control.
5. Play the music and adjust the equalizer controls to achieve equalizing. When they are slid above the center "0 dB" position, the level near the indicated frequency is increased; when they are slid below the position, the level is reduced.
6. The equalizing effect can be checked momentarily by setting the EQUALIZER switch to the OFF and ON positions.

* When the EQUALIZER switch is at the OFF position, the sound quality cannot be compensated for even when the equalizer controls are operated.

Recording a program source with added equalizer effects

With this function, you can perform equalization of record or radio broadcast sounds, and record the results on the tape deck connected to the unit. In accordance with your own preference and purpose, you can make the sounds you like, thus producing tapes for headphone stereos, car audios, etc.

1. Set the EQUALIZER switch to the ON positions.
2. Set the INPUT switch to the SOURCE position
3. Use the amplifier's function selector to select the program source you wish to record, and operate the tuner or turntable as appropriate.
4. Operate the equalizer controls to compensate the program source sounds as desired.
5. Set the cassette deck in the recording mode to begin the recording.

Dubbing a tape with added equalizer effects

By using a double-cassette deck or 2 cassette decks, equalizing can be done on an already recorded tape and dubbed onto another tape (tape copying).

When a double-cassette deck is used.

1. Set the INPUT switch to the SOURCE position and set the EQUALIZER switch to ON (□).
2. Play the tape back on deck "**a**", and add the desired equalizing onto the playback sound.
3. Press the REC switch on deck "**b**" and start recording.

• When dubbing with equalizing, do not press the Dubbing switch.

When 2 cassette decks are used.

1. Set the INPUT switch to the SOURCE position and set the EQUALIZER switch to ON (□).
2. Play the tape back on a deck connected to an amplifier and add the desired equalizing.
3. Perform recording by operating the deck connected to the unit.

• When 2 cassette decks are used, sounds with equalizing cannot be recorded on a cassette deck connected to an amplifier without DECK SELECTOR switch.

Specifications

Input sensitivity and impedance (1 kHz)
SOURCE IN, TAPE PLAY ..... 150 mV/47 kilohms
Output level and impedance (1 kHz)
TAPE REC ..... 150 mV/1 kilohms
PRE OUT ..... 150 mV/1 kilohms
(Maximum output level: 5V/47 kilohms at 0.5% total harmonic distortion)
Total harmonic distortion (1V, 1 kHz)
SOURCE IN, TAPE PLAY 0.03%
Frequency response (at rated output, Equalizer controls: "0" position)
SOURCE IN, TAPE PLAY ..... 20 Hz to 20 kHz, +0 dB, −2 dB
Signal to noise ratio (Short-circuit, A-network)
SOURCE IN, TAPE PLAY ..... 75 dB
Equalizer frequency ..... 60 Hz, 150 Hz, 400 Hz, 1 kHz 2.4 kHz, 6 kHz, 15 kHz
Level variation range ..... ±12 dB

Others

Power voltage ..... 110V-120V/220V-240V (50/60 Hz)
For U.S.A. and Canada ..... 120 V (60 Hz)
Power consumption ..... 5 watts
Dimensions ..... 430 mm (16-15/16") (W)
78 mm (3-3/4")(H)
210 mm (8-7/8") (D)
Weight ..... 2.2 kg (4.9 lbs) net
2.8 kg (6.3 lbs) packed

* **Design and specifications subject to change without notice for improvements.**
* **In order to simplify the explanation illustrations may sometimes differ from the originals.**

Sansui
SANSUI ELECTRIC CO., LTD.
14-1 Izumi 2-Chome, Suginami-ku, TOKYO 168, JAPAN

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